

TITLE

GENES INVOLVED IN THE BIOSYNTHESIS OF
ISOPENTENYL DIPHOSPHATE IN HEVEA BRASILIENSIS LATEX

ABSTRACT OF THE DISCLOSURE

5 The instant invention relates to bioproduction of isopentenyl
diphosphate within the latex of the rubber tree, *Hevea brasiliensis*.
Isopentenyl diphosphate (IPP) synthesis from acetate is mediated by a set
of enzymes encoded by six genes isolated as expressed sequence tag
(EST) cDNAs from *Hevea brasiliensis* latex. In addition, a variant
10 sequence of one of these enzymes, acetyl-coA acetyltransferase, has
been found.

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